

**NORTH CAROLINA DIVISION OF  
AIR QUALITY**

**Air Permit Review**

**Permit Issue Date:**

**Region:** Fayetteville Regional Office  
**County:** Robeson  
**NC Facility ID:** 7800166  
**Inspector's Name:** Joshua L. Harris  
**Date of Last Inspection:** 08/12/2015  
**Compliance Code:** 3 / Compliance - inspection

<b>Facility Data</b>  <b>Applicant (Facility's Name):</b> North Carolina Renewable Power - Lumberton, LLC  <b>Facility Address:</b> North Carolina Renewable Power - Lumberton, LLC 1866 Hestertown Rd Lumberton, NC 28358  <b>SIC:</b> 4911 / Electric Services <b>NAICS:</b> 221112 / Fossil Fuel Electric Power Generation  <b>Facility Classification: Before:</b> Title V <b>After:</b> Title V <b>Fee Classification: Before:</b> Title V <b>After:</b> Title V				<b>Permit Applicability (this application only)</b>  <b>SIP:</b> <b>NSPS:</b> <b>NESHAP:</b> <b>PSD:</b> <b>PSD Avoidance:</b> <b>NC Toxics:</b> <b>112(r):</b> <b>Other:</b> CAIR removed, CSAPR added			
<b>Contact Data</b>				<b>Application Data</b>			
<b>Facility Contact</b>  Sandy Singles Environmental Health and Safety Speciali (910) 887-3564 1866 Hestertown Rd Lumberton, NC 28358	<b>Authorized Contact</b>  Steven Ingle Vice President - Engineering (205) 397-4157 2100 Southbridge Parkway, Suite 540 Birmingham, AL 35209	<b>Technical Contact</b>  Steven Ingle Vice President - Engineering (205) 397-4157 2100 Southbridge Parkway, Suite 540 Birmingham, AL 35209	<b>Application Number:</b> 7800166.16A <b>Date Received:</b> 10/24/2015 <b>Application Type:</b> Modification <b>Application Schedule:</b> TV-Reopen for Cause <b>Existing Permit Data</b> <b>Existing Permit Number:</b> 05543/T22 <b>Existing Permit Issue Date:</b> 06/12/2015 <b>Existing Permit Expiration Date:</b> 09/30/2017				
<b>Total Actual emissions in TONS/YEAR:</b>							
CY	SO2	NOX	VOC	CO	PM10	Total HAP	Largest HAP
2014	---	---	---	---	---	---	.00E+00 [Antimony & Compounds (total ma)]
2013	---	---	0.3100	---	---	---	.00E+00 [Antimony & Compounds (total ma)]
2012	---	0.0500	0.3100	0.0100	---	4.78E-05	1.31E-05 [Formaldehyde]
2011	---	0.0500	0.3100	0.0100	---	4.92E-05	1.37E-05 [Formaldehyde]
2010	---	0.0500	0.3100	0.0100	---	4.92E-05	1.37E-05 [Formaldehyde]
<b>Review Engineer:</b> Russell Braswell  <b>Review Engineer's Signature:</b> <b>Date:</b>				<b>Comments / Recommendations:</b> <b>Issue</b> 05543/T23 <b>Permit Issue Date:</b> <b>Permit Expiration Date:</b>			

## 1. Purpose of Application:

North Carolina Renewable Power – Lumberton, LLC (NCRP) currently operates under Air Quality Permit 0554T22. The existing permit contains references to the federal Clean Air Interstate Rule [CAIR]. This rule no longer applies and has been superseded by the Cross State Air Pollution Rule [CSAPR].

The DAQ has reopened this permit in order to remove references to CAIR and replace them with CSAPR.

## 2. Facility Description:

According to the most recent inspection report<sup>1</sup>, the facility intends to produce electricity using two coal-fired boilers that have been converted to burn biomass (eventually a mix of 70% poultry litter and 30% virgin wood). The facility has not been operating consistently, and is undergoing a "myriad" of modifications.

## 3. Application Chronology:

- August 25, 2015 Rahul Thaker sent an email to NCRP informing them of the potential need for DAQ to reopen the permit in order to remove CAIR and add CSAPR.
- January 21, 2016 Application initiated by the NCDAQ.
- XXXXXX Initial draft
- XXXXXX Public / EPA Notice
- XXXXXX Permit issued.

## 4. Regulatory Review:

### a. CAIR requirements

According to 40 CFR 52.35(f) and 52.36(e), CAIR no longer applies as of January 1, 2015. CAIR has been moved to Section 2.3. in the permit, which is for non-applicable regulations.

According to 15A NCAC 2D .2401(a), the purpose of the 2D .2400 rules was to implement CAIR. Given that CAIR no longer applies, the NC rules that implement CAIR also do not apply. Therefore, references to 2D .2400 rules have been moved to Section 2.3. in the permit.

### b. CSAPR requirements

CSAPR (specifically, 40 CFR Part 97, Subparts AAAAA, BBBBB, and CCCCC) was originally scheduled to take effect on January 1, 2012. This rule was planned as a replacement for CAIR. However, CSAPR was challenged in court and initially vacated by the DC Circuit Court. Legal issues were finally resolved in April 2014, when the US Supreme Court reversed that decision. Because the regulation was delayed by court proceedings, the effective date of the rule was moved to January 1, 2015.

---

<sup>1</sup> Joshua Harris, August 24, 2015

This rule and all requirements thereof are considered Federal-enforceable only. Compliance will be determined by the US EPA, not NC DAQ. A reference to this rule has been added to the permit.

## **5. Facility Emissions Review**

The transition from CAIR to CSAPR is not expected to change actual or potential emissions from this facility.

## **6. Public Notice/EPA and Affected State(s) Review**

A notice of the DRAFT Title V Permit shall be made pursuant to 15A NCAC 2Q .0521. The notice will provide for a 30-day comment period, with an opportunity for a public hearing. Copies of the public notice shall be sent to persons on the Title V mailing list and EPA. Pursuant to 15A NCAC 2Q .0522, a copy of each permit application, each proposed permit and each final permit pursuant shall be provided to EPA.

Also pursuant to 2Q .0522, a notice of the DRAFT Title V Permit shall be provided to each affected State at or before the time notice provided to the public under 2Q .0521 above.

## **7. Recommendations**

Issue permit 05543T23

### Change List

Pages	Section	Description of Changes
Throughout	Throughout	<ul style="list-style-type: none"><li>• Updated application/permit numbers</li><li>• Updated dates</li><li>• Removed references to CAIR.</li><li>• Added references to CSAPR</li><li>• Changed "2D" and "2Q" to "02D" and "02Q"</li><li>• Fixed formatting errors.</li></ul>
	2.5.	<ul style="list-style-type: none"><li>• Added section for non-applicable requirements.</li><li>• Added CAIR and 2D .2400 to this section.</li></ul>
	3.	<ul style="list-style-type: none"><li>• Updated General Conditions to v4.0.</li></ul>